

ALMANAC LXIV OCCULTATIONS BETWEEN ASTRONOMICAL OBJECTS IN CE

The almanac LXIV contains a list of occultations
between astronomical objects
from the 1st millennium CE to the 10th millennium CE.

1ST MILLENNIUM CE

This is a list of occultations between astronomical objects in the 1st millennium CE.

DATE	TDT	D"	e	m1	m2	tm	OBJECTS
						s	
16/01/19 00:54:52	28.69	-35	-3.9	8.0	Venus	Neptune	
18/09/22 14:58:07	7.67	4	-1.0	1.5	Mercury	Mars	
21/05/22 09:32:14	6.30	22	0.7	-1.7	3227	Mercury	Jupiter
42/02/25 12:41:42	36.29	13	-3.9	-2.0	Venus	Jupiter	
43/03/20 16:54:19	37.22	-36	-3.8	7.9	Venus	Neptune	
49/11/16 13:01:53	52.60	-11	-3.9	-1.7	Venus	Jupiter	
50/02/15 08:41:07	49.18	11	-3.9	8.0	Venus	Neptune	
64/07/23 15:11:08	53.03	17	-3.9	0.6	Venus	Saturn	
79/06/16 06:00:07	98.93	41	-4.5	1.3	Venus	Alpha	LEO Regulus
80/03/06 11:35:27	14.00	-28	0.3	0.7	425.1	Mercury	Saturn
80/10/10 12:32:14	29.12	-9	1.2	1.5	Mercury	Mars	
85/01/29 20:33:44	30.60	-10	-3.9	1.1	Venus	Mars	
88/06/17 11:16:41	32.62	-18	-0.4	0.4	Mercury	Saturn	
105/08/28 04:48:10	41.72	-27	-3.9	-1.7	Venus	Jupiter	
115/10/03 22:29:51	76.32	-65	7.9	1.3	Neptune	Alpha	LEO Regulus
115/12/13 00:25:44	25.13	-136	7.9	1.3	Neptune	Alpha	LEO Regulus
116/07/27 00:49:45	103.50	2	8.0	1.3	Neptune	Alpha	LEO Regulus
123/07/03 05:20:10	62.57	26	0.2	1.3	Mercury	Alpha	LEO Regulus
131/08/21 05:26:39	24.70	11	-3.9	8.0	Venus	Neptune	
136/09/17 02:45:19	27.65	-5	-1.2	8.0	Mercury	Neptune	
144/09/07 04:46:09	52.42	7	-0.9	1.6	Mercury	Mars	
159/12/06 09:30:14	48.38	-35	-3.9	8.0	Venus	Neptune	
163/08/17 11:05:35	52.92	-18	-0.4	1.3	Mercury	Alpha	LEO Regulus
168/04/21 21:26:16	35.28	3	4.9	1.4	Mercury	Mars	
169/07/03 03:10:31	21.17	25	0.2	1.3	Mercury	Alpha	LEO Regulus

179/08/03 18:20:14 40.86 10 -1.0 -3.9 Mercury Venus
 190/09/18 10:56:27 58.93 4 -3.9 -1.6 Venus Jupiter
 204/09/03 15:01:39 61.74 -35 -3.9 1.3 Venus Alpha LEO Regulus
 209/08/10 22:33:11 13.25 -23 -3.9 0.5 404.2 Venus Saturn
 211/07/29 13:41:24 51.05 11 -3.9 0.6 Venus Saturn
 212/09/03 05:35:01 23.11 -35 -3.9 1.3 Venus Alpha LEO Regulus
 214/04/05 23:09:06 36.22 -37 -3.8 7.9 Venus Neptune
 215/07/04 01:08:00 99.04 25 0.2 1.3 Mercury Alpha LEO Regulus
 218/11/16 21:59:17 26.28 -11 -0.7 5.7 Mercury Uranus
 219/07/05 08:30:12 21.96 5 -3.9 1.7 Venus Mars
 220/09/02 20:05:46 107.10 -34 -3.9 1.3 Venus Alpha LEO Regulus
 241/09/06 05:31:40 15.12 -16 -0.8 0.7 193.0 Mercury Saturn
 245/08/28 12:07:56 13.39 25 0.2 1.1 Mercury Alpha VIR Spica
 256/02/10 17:18:26 28.73 -12 -3.9 0.8 Venus Saturn
 256/03/12 16:30:54 24.23 -40 1.0 0.7 Mars Saturn
 272/06/30 08:30:35 4.00 40 1.5 -1.7 1924 Mars Jupiter
 280/09/09 04:46:50 21.42 -40 8.0 1.3 Neptune Alpha LEO Regulus
 286/04/12 14:10:48 28.73 -60 0.7 0.6 Mars Saturn
 291/08/29 09:31:46 104.29 25 0.2 1.1 Mercury Alpha VIR Spica
 295/10/10 01:29:37 48.28 -38 -3.9 8.0 Venus Neptune
 296/10/17 03:59:01 59.22 -43 1.6 8.0 Mars Neptune
 300/10/03 13:19:23 19.37 -21 -3.9 8.0 Venus Neptune
 308/12/06 17:52:45 38.52 -5 -3.9 5.8 Venus Uranus
 314/06/16 19:20:15 27.11 42 -4.5 1.3 732.2 Venus Alpha LEO Regulus
 317/08/09 19:30:04 7.02 13 -0.7 1.7 65.9 Mercury Mars
 322/11/30 10:45:26 28.12 -17 -0.5 -1.7 Mercury Jupiter
 333/03/02 03:10:41 5.51 5 -1.7 5.9 84.3 Mercury Uranus
 344/04/11 17:57:48 41.00 10 -3.9 5.8 Venus Uranus
 363/04/19 18:35:17 12.53 -5 -3.9 -1.9 866.0 Venus Jupiter
 364/09/29 03:42:44 53.89 -18 -0.2 -3.9 Mercury Venus

367/09/19 02:01:13 45.14 -37 -3.9 5.5 Venus Uranus
 373/04/02 01:31:25 21.13 -45 -2.0 7.9 Jupiter Neptune
 374/02/07 18:54:57 48.02 8 -1.5 8.0 Mercury Neptune
 375/01/07 00:54:30 57.38 42 -4.0 7.9 Venus Neptune
 379/02/26 22:49:07 33.73 2 -1.7 8.0 Mercury Neptune
 384/03/17 07:30:30 26.03 -7 -1.4 7.9 Mercury Neptune
 392/12/09 02:21:08 12.78 -10 1.2 -2.5 3279 Mercury Venus
 403/08/05 05:31:35 33.66 27 -3.8 -1.6 Venus Jupiter
 407/09/29 12:28:30 18.97 -32 -3.9 1.6 Venus Mars
 411/04/30 06:59:17 43.02 2 5.5 -1.9 Mercury Jupiter
 411/06/06 23:49:56 52.42 -19 -0.4 0.4 Mercury Saturn
 417/06/15 18:11:22 56.52 -19 -0.4 7.9 Mercury Neptune
 426/08/18 20:36:46 79.78 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 428/10/25 03:03:38 11.27 -6 -3.9 -1.6 815.9 Venus Jupiter
 431/09/06 10:46:27 94.61 -36 -3.9 1.3 Venus Alpha LEO Regulus
 433/09/05 23:59:45 37.48 1 -1.2 -3.9 Mercury Venus
 439/09/06 01:28:47 7.02 -35 -3.9 1.3 231.9 Venus Alpha LEO Regulus
 444/08/05 13:46:10 58.21 -25 -3.8 0.5 Venus Saturn
 445/08/22 13:20:26 43.16 -22 8.0 1.3 Neptune Alpha LEO Regulus
 447/09/05 16:03:13 77.76 -35 -3.9 1.3 Venus Alpha LEO Regulus
 460/08/28 15:07:19 50.44 4 -1.2 8.0 Mercury Neptune
 470/10/05 19:26:24 49.39 -11 -1.0 8.0 Mercury Neptune
 484/08/05 21:33:35 35.86 -22 -3.9 -1.7 Venus Jupiter
 486/08/12 16:58:07 31.82 -15 -0.9 1.7 Mercury Mars
 493/06/09 01:05:16 11.23 -56 0.9 -2.1 1623 Mars Jupiter
 498/12/16 19:28:15 21.82 -23 -0.1 8.0 Mercury Neptune
 508/08/29 21:25:50 46.84 25 0.2 1.1 Mercury Alpha VIR Spica
 509/07/24 18:59:27 12.35 18 -0.4 -1.6 501.4 Mercury Jupiter
 525/01/06 00:04:13 58.00 -18 -0.3 1.2 Mercury Mars
 533/03/02 04:35:06 36.07 32 -3.9 1.3 Venus Mars

539/05/03 20:53:56	20.02	-70	-2.2	7.9	1905	Jupiter	Neptune
544/02/17 18:03:39	25.13	12	-3.9	7.9		Venus	Neptune
548/07/04 20:19:13	43.92	-9	-1.5	1.6		Mercury	Mars
549/06/17 10:54:32	104.00	43	-4.5	1.3		Venus	Alpha LEO Regulus
558/09/14 10:24:35	37.26	30	-3.8	1.3		Venus	Mars
559/04/21 00:19:50	51.30	-15	-0.8	7.9		Mercury	Neptune
570/07/06 06:28:45	104.62	25	0.2	1.3		Mercury	Alpha LEO Regulus
578/05/12 19:45:56	4.82	-4	-1.9	1.4	108.5	Mercury	Mars
581/01/13 02:43:03	14.58	24	-3.9	0.7	338.7	Venus	Saturn
581/12/16 15:53:08	55.26	68	0.7	5.9		Mars	Uranus
609/10/24 00:27:18	38.34	-83	7.9	1.3		Neptune	Alpha LEO Regulus
609/11/27 04:42:05	13.64	-117	7.9	1.3		Neptune	Alpha LEO Regulus
616/06/30 07:32:24	10.40	22	-0.1	1.7		Mercury	Mars
625/04/28 13:26:31	12.46	-2	-1.9	1.4		Mercury	Mars
625/08/22 13:16:03	47.56	12	-3.9	8.0		Venus	Neptune
625/08/27 16:16:28	20.63	11	-0.8	5.6		Mercury	Uranus
634/10/23 00:51:21	21.71	-28	-3.9	8.0		Venus	Neptune
636/10/20 04:48:07	23.11	9	-3.9	5.7		Venus	Uranus
638/02/09 22:24:04	43.63	-20	-3.9	0.8		Venus	Saturn
651/11/19 19:46:36	49.72	-20	-0.4	8.0		Mercury	Neptune
653/09/23 07:02:16	91.87	3	3.9	1.1		Mercury	Alpha VIR Spica
653/12/07 21:37:14	16.42	-34	-3.9	8.0		Venus	Neptune
654/01/31 08:25:53	43.02	-21	-3.9	5.9		Venus	Uranus
657/03/04 02:33:44	57.10	-40	-2.0	5.9		Jupiter	Uranus
663/06/18 19:59:49	49.39	24	0.1	1.7		Mercury	Mars
666/09/07 21:09:07	36.94	-36	-3.9	1.3		Venus	Alpha LEO Regulus
674/09/07 11:52:53	50.33	-36	-3.9	1.3		Venus	Alpha LEO Regulus
675/09/26 11:06:45	88.06	46	-4.5	1.0		Venus	Alpha SCO Antares
681/02/05 11:02:36	48.67	-35	-3.9	8.0		Venus	Neptune
681/03/01 10:54:50	43.24	-30	-3.8	-1.9		Venus	Jupiter

681/12/31 22:35:48 27.43 44 -4.1 -2.0 760.8 Venus Jupiter
 685/06/30 16:43:11 17.57 -40 1.2 5.7 Mars Uranus
 689/08/20 06:08:18 102.78 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 699/06/19 03:01:17 54.36 52 1.4 -1.7 Mars Jupiter
 700/09/17 17:09:25 20.38 6 -3.9 -1.6 466.6 Venus Jupiter
 706/01/05 16:44:41 42.95 48 -2.1 7.9 Jupiter Neptune
 710/09/03 21:56:40 15.55 9 -0.8 5.6 Mercury Uranus
 712/09/18 14:31:04 48.02 4 1.6 5.6 Mars Uranus
 713/04/02 06:56:56 4.72 -20 -3.8 7.9 231.7 Venus Neptune
 713/05/11 22:34:18 34.31 -57 0.8 7.9 Mars Neptune
 720/06/15 00:08:10 45.83 -14 -1.0 -1.8 Mercury Jupiter
 722/09/13 03:17:54 58.32 -31 -3.9 -1.7 Venus Jupiter
 732/06/22 13:40:36 17.50 -16 -3.9 -1.8 703.7 Venus Jupiter
 734/07/08 16:25:39 52.24 22 -0.0 -1.6 Mercury Jupiter
 740/02/13 14:57:47 33.41 -26 -1.9 5.9 Jupiter Uranus
 757/01/17 22:52:24 18.32 13 -1.2 0.8 Mercury Saturn
 757/05/17 22:32:01 2.92 23 0.1 -3.9 863.1 Mercury Venus
 766/03/12 22:39:34 19.84 -3 -1.6 -3.9 Mercury Venus
 771/09/01 06:50:27 79.16 25 0.2 1.1 Mercury Alpha VIR Spica
 774/09/21 01:05:21 1.44 -48 8.0 1.3 Neptune Alpha LEO Regulus
 779/08/10 21:00:22 0.40 46 -4.3 1.1 609.0 Venus Alpha VIR Spica
 787/08/30 23:03:35 56.41 -18 -0.4 5.6 Mercury Uranus
 794/10/05 22:26:22 59.29 -21 -3.9 8.0 Venus Neptune
 795/02/19 00:29:31 37.98 -157 -2.3 7.9 Jupiter Neptune
 795/09/11 03:50:41 24.66 7 -0.9 5.6 Mercury Uranus
 796/08/20 08:02:49 0.32 6 -1.2 -3.9 618.9 Mercury Venus
 808/12/20 05:44:26 20.16 -14 -0.5 1.2 Mercury Mars
 816/01/21 00:20:23 21.53 12 -1.2 0.8 Mercury Saturn
 817/09/01 04:14:21 39.96 25 0.2 1.1 Mercury Alpha VIR Spica
 821/05/02 14:50:01 59.44 -20 -0.3 0.5 Mercury Saturn

829/09/28 08:08:26 11.09 -37 -3.9 -1.7 989.6 Venus Jupiter
 833/07/07 15:51:44 41.58 25 0.2 1.3 Mercury Alpha LEO Regulus
 834/02/16 05:09:33 54.00 9 -1.5 5.9 Mercury Uranus
 871/04/10 00:24:07 37.22 -40 -3.9 7.9 Venus Neptune
 872/01/26 23:24:21 44.14 31 -3.9 -2.0 Venus Jupiter
 879/07/08 13:53:20 37.22 25 0.2 1.3 Mercury Alpha LEO Regulus
 880/09/17 10:32:09 17.82 6 -0.9 5.6 Mercury Uranus
 889/08/30 00:21:30 43.20 33 -3.8 1.4 Venus Mars
 893/09/09 16:42:43 65.23 -37 -3.9 1.3 Venus Alpha LEO Regulus
 895/04/03 15:14:08 42.19 -40 -3.9 -2.0 Venus Jupiter
 901/09/09 07:32:42 24.44 -36 -3.9 1.3 Venus Alpha LEO Regulus
 906/08/21 19:13:47 103.14 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 913/06/07 08:39:23 38.27 13 -3.9 1.7 Venus Mars
 914/07/23 18:57:06 0.97 -30 -3.8 0.4 626.0 Venus Saturn
 916/09/24 18:42:44 96.52 3 3.9 1.1 Mercury Alpha VIR Spica
 919/09/07 11:32:36 3.06 -9 -1.3 0.7 286.1 Mercury Saturn
 934/02/04 16:52:48 31.18 2 -3.9 0.8 Venus Saturn
 936/10/12 11:58:00 47.52 -42 -4.0 -1.7 Venus Jupiter
 939/09/02 05:00:00 60.08 -29 8.0 1.3 Neptune Alpha LEO Regulus
 945/06/26 02:00:41 57.17 20 -0.2 -3.9 Mercury Venus
 952/10/13 05:25:33 56.16 -41 -4.0 8.0 Venus Neptune
 965/09/24 17:51:54 3.56 4 -1.0 5.6 111.9 Mercury Uranus
 971/04/17 04:15:26 34.99 -7 2.9 1.2 Mercury Mars
 977/07/14 03:37:07 58.00 27 -3.8 0.6 Venus Saturn
 989/02/12 18:27:41 46.80 -27 0.2 -1.9 Mercury Jupiter
 992/05/24 13:16:37 12.31 18 -3.5 1.6 1275 Venus Mars
 997/12/31 06:46:31 22.79 -24 -0.0 8.0 Mercury Neptune

2ND MILLENNIUM CE

This is a list of occultations between astronomical objects in the 2nd millennium CE.

DATE	TDT	D"	e	m1	m2	tm	OBJECTS
						s	
1010/10/02 10:07:23	42.95	-5	-1.2	-3.9	Mercury	Venus	
1014/08/12 02:11:16	77.58	46	-4.3	1.1	Venus	Alpha VIR Spica	
1017/04/21 09:27:21	18.50	8	-3.9	5.8	Venus	Uranus	
1026/04/16 19:04:22	11.27	-19	-0.4	0.6	239.9	Mercury Saturn	
1028/07/03 20:20:13	17.53	-13	-1.1	5.7	Mercury	Uranus	
1034/09/02 16:11:52	107.75	25	0.2	1.1	Mercury	Alpha VIR Spica	
1043/10/25 19:28:14	20.23	-46	-4.2	-1.7	1152	Venus Jupiter	
1047/04/22 05:23:26	54.61	-27	-3.8	7.9	Venus	Neptune	
1050/10/02 01:33:48	42.34	2	-1.0	5.6	Mercury	Uranus	
1054/04/05 12:37:30	40.25	25	-3.9	1.4	Venus	Mars	
1080/09/02 13:33:20	11.99	25	0.2	1.1	Mercury	Alpha VIR Spica	
1111/05/30 08:02:11	57.28	-12	-3.9	-1.9	Venus	Jupiter	
1120/09/11 12:00:41	92.59	-37	-3.9	1.3	Venus	Alpha LEO Regulus	
1126/08/10 07:59:26	42.84	13	-0.7	-1.6	Mercury	Jupiter	
1128/09/11 03:01:26	0.58	-37	-3.9	1.3	281.1	Venus Alpha LEO Regulus	
1135/09/18 05:07:15	36.97	20	-3.9	5.6	Venus	Uranus	
1136/09/10 17:52:14	88.31	-36	-3.9	1.3	Venus	Alpha LEO Regulus	
1142/07/09 23:13:23	105.16	25	0.2	1.3	Mercury	Alpha LEO Regulus	
1153/09/29 01:30:37	82.66	46	-4.5	1.0	Venus	Alpha SCO Antares	
1159/08/04 22:33:43	28.98	10	-1.0	-3.9	Mercury	Venus	
1167/02/07 00:09:42	45.72	-26	0.2	0.9	Mercury	Saturn	
1169/08/23 04:44:49	84.60	-18	-0.4	1.3	Mercury	Alpha LEO Regulus	

1170/09/12 20:43:13 5.80 -106 -0.5 -2.4 3775 Mars Jupiter
 1176/03/27 18:51:41 15.37 -4 1.2 5.9 Mars Uranus
 1182/05/23 22:53:11 39.78 -12 -1.2 -1.9 Mercury Jupiter
 1188/07/09 21:27:49 32.22 25 0.2 1.3 Mercury Alpha LEO Regulus
 1191/12/31 19:58:07 31.97 45 -4.1 -2.0 520.8 Venus Jupiter
 1194/03/26 11:16:31 0.58 -39 -3.9 7.9 346.6 Venus Neptune
 1201/10/30 21:55:25 80.39 15 -3.3 1.0 Venus Alpha SCO Antares
 1204/04/22 19:43:43 20.41 -37 1.0 -2.0 598.4 Mars Jupiter
 1205/04/26 14:54:55 23.80 -45 -4.1 7.9 Venus Neptune
 1210/09/17 10:50:57 0.14 7 -3.9 -1.6 922.7 Venus Jupiter
 1232/07/06 16:54:03 49.54 -90 -0.2 0.4 Mars Saturn
 1234/07/10 19:35:29 43.74 25 0.1 1.3 Mercury Alpha LEO Regulus
 1244/05/23 16:20:35 44.71 15 -3.9 1.6 Venus Mars
 1253/12/08 09:20:23 9.47 15 0.2 0.9 932.8 Mercury Saturn
 1256/08/13 02:57:54 48.82 -35 -3.9 8.0 Venus Neptune
 1268/10/07 16:16:20 27.97 -62 7.9 1.3 Neptune Alpha LEO Regulus
 1278/08/25 14:42:18 0.40 1 1.7 8.0 217.9 Mars Neptune
 1282/11/01 06:56:43 33.98 4 2.8 1.4 Mercury Mars
 1286/10/30 05:53:18 4.86 -46 -4.2 8.0 482.3 Venus Neptune
 1287/02/25 14:55:09 38.81 5 -1.6 -2.0 Mercury Jupiter
 1287/02/27 18:19:09 7.88 7 -1.6 1.1 Mercury Mars
 1288/08/29 21:22:57 22.25 -29 -3.8 5.6 Venus Uranus
 1289/11/23 06:50:51 9.61 -63 1.3 8.0 Mars Neptune
 1297/08/17 17:08:27 18.83 23 1.6 5.5 Mars Uranus
 1297/11/17 08:43:59 24.55 -6 -0.8 1.4 Mercury Mars
 1305/03/22 00:18:55 52.45 -151 -1.4 7.9 Mars Neptune
 1324/05/11 02:26:39 23.40 18 1.0 -3.9 Mercury Venus
 1327/02/09 22:10:13 38.45 -24 -3.8 5.9 Venus Uranus
 1342/02/09 21:59:45 45.54 33 -3.9 5.9 Venus Uranus
 1343/09/04 22:58:04 14.04 25 0.2 1.1 Mercury Alpha VIR Spica

1346/05/30 06:32:23 50.94 -13 -1.1 -3.9 Mercury Venus
 1362/06/18 11:27:44 8.21 -6 -3.9 5.7 179.3 Venus Uranus
 1363/09/13 13:13:38 66.49 -37 -3.9 1.3 Venus Alpha LEO Regulus
 1372/11/17 08:12:39 47.81 21 -0.3 -4.0 519.1 Mercury Venus
 1383/08/19 15:05:43 6.77 30 -3.8 5.5 277.8 Venus Uranus
 1387/09/22 00:14:15 9.76 -17 1.7 -1.6 1614 Mars Jupiter
 1389/09/04 20:20:47 103.64 25 0.2 1.1 Mercury Alpha VIR Spica
 1396/09/27 05:45:15 24.01 3 3.6 1.1 Mercury Alpha VIR Spica
 1403/12/29 10:57:20 27.61 -9 -3.9 5.8 Venus Uranus
 1415/07/16 16:02:20 59.08 -17 -0.6 0.5 Mercury Saturn
 1416/08/08 23:49:30 3.20 -25 -3.8 0.5 587.9 Venus Saturn
 1420/02/09 05:16:00 49.10 12 -1.3 5.9 Mercury Uranus
 1427/08/30 07:46:26 5.98 -36 -3.9 8.0 297.4 Venus Neptune
 1432/08/24 14:13:12 68.65 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 1433/09/16 20:07:41 74.63 -40 8.0 1.3 Neptune Alpha LEO Regulus
 1447/06/20 11:18:52 10.15 72 -1.8 8.0 6769 Jupiter Neptune
 1477/08/10 19:49:16 12.74 -2 -3.9 0.6 358.8 Venus Saturn
 1477/10/09 15:16:16 6.01 -53 1.4 0.5 902.5 Mars Saturn
 1489/06/21 16:50:42 102.20 44 -4.5 1.3 Venus Alpha LEO Regulus
 1497/07/12 05:02:20 95.36 25 0.1 1.3 Mercury Alpha LEO Regulus
 1504/04/09 23:39:57 30.31 -45 -4.1 5.9 Venus Uranus
 1522/01/28 08:12:26 5.54 1 1.1 0.8 597.7 Mars Saturn
 1536/07/31 01:59:04 52.81 -18 -3.9 5.6 Venus Uranus
 1541/04/23 12:54:29 22.39 -26 -3.8 7.9 Venus Neptune
 1543/07/13 03:23:47 24.95 24 0.1 1.3 Mercury Alpha LEO Regulus
 1546/01/04 00:22:27 43.49 -33 -3.9 0.9 Venus Saturn
 1549/08/23 15:53:22 46.87 18 1.6 5.5 Mars Uranus
 1568/06/17 17:08:46 36.61 -18 -0.4 7.9 Mercury Neptune
 1570/02/05 07:48:46 18.11 -25 -3.8 -1.9 735.0 Venus Jupiter
 1571/02/11 21:25:03 29.84 10 -1.4 1.1 Mercury Mars

1579/10/24 02:28:16 42.41 -12 0.6 -3.9 Mercury Venus
 1582/09/15 17:12:54 49.86 -38 -3.9 1.3 Venus Alpha LEO Regulus
 1589/07/23 01:39:03 48.20 24 0.1 1.3 Mercury Alpha LEO Regulus
 1590/09/25 08:27:34 45.68 -38 -3.9 1.3 Venus Alpha LEO Regulus
 1590/10/13 04:54:04 6.98 -34 -3.9 1.6 553.8 Venus Mars
 1591/01/19 05:17:14 30.49 -74 1.0 -1.8 Mars Jupiter
 1606/09/16 08:18:13 36.90 25 0.2 1.1 Mercury Alpha VIR Spica
 1606/12/14 10:22:52 50.15 65 0.6 -2.1 Mars Jupiter
 1613/01/04 00:43:56 4.68 -107 -2.1 7.9 36766 Jupiter Neptune
 1613/09/10 18:36:40 30.02 15 -3.9 -1.6 Venus Jupiter
 1614/09/13 14:08:55 55.51 -76 0.6 5.6 Mars Uranus
 1623/08/15 16:54:00 5.04 -9 -1.7 5.6 4955 Jupiter Uranus
 1632/11/16 06:16:16 38.74 -16 -0.7 8.0 Mercury Neptune
 1651/08/12 17:44:06 31.75 -27 -3.8 0.5 Venus Saturn
 1652/09/16 05:44:28 80.75 25 0.2 1.1 Mercury Alpha VIR Spica
 1655/09/22 12:36:31 23.98 -14 -1.0 0.6 Mercury Saturn
 1665/05/02 01:56:27 25.67 -82 -2.2 5.8 Jupiter Uranus
 1675/10/12 09:00:51 41.11 4 -1.0 1.6 Mercury Mars
 1684/08/26 15:22:28 34.70 3 -1.4 0.6 Mercury Saturn
 1686/12/11 15:32:45 57.71 -13 -3.9 -1.7 Venus Jupiter
 1695/01/25 05:21:06 57.28 -2 -3.9 1.1 Venus Mars
 1695/09/05 23:47:30 58.50 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 1702/09/19 13:44:51 2.56 -165 -2.8 7.8 12213 Jupiter Neptune
 1705/07/20 23:39:13 23.26 -15 -0.9 -1.8 186.5 Mercury Jupiter
 1706/07/23 07:04:18 49.07 8 -1.7 5.6 Jupiter Uranus
 1708/07/14 13:02:22 6.19 25 0.2 5.6 153.9 Mercury Uranus
 1708/10/04 12:40:46 11.41 1 -1.2 -1.6 468.8 Mercury Jupiter
 1716/11/12 14:21:48 50.94 -47 -4.3 1.5 Venus Mars
 1724/07/03 15:04:22 57.64 44 -4.4 1.3 Venus Alpha LEO Regulus
 1737/05/28 21:51:03 36.22 22 0.0 -3.9 542.0 Mercury Venus

1743/08/30 18:18:44 28.15 3 -1.4 0.6 Mercury Saturn
 1746/03/25 14:55:44 12.28 -3 -1.6 -3.9 Mercury Venus
 1748/03/15 13:33:02 21.56 32 -3.9 1.2 Venus Mars
 1761/02/02 17:22:53 49.79 20 1.0 -2.0 Mars Jupiter
 1765/07/06 13:42:59 24.84 8 -3.9 1.7 Venus Mars
 1767/03/29 20:51:15 18.61 19 -3.9 5.9 Venus Uranus
 1771/08/29 19:38:08 9.25 -14 -3.9 0.5 475.3 Venus Saturn
 1776/09/01 11:06:31 31.00 6 -1.2 -3.9 Mercury Venus
 1778/05/21 17:26:54 32.40 15 1.3 -3.9 Mercury Venus
 1783/11/10 08:10:47 32.69 -27 -4.3 1.1 4044 Venus Alpha VIR Spica
 1793/07/21 05:37:45 0.76 24 0.1 5.6 161.7 Mercury Uranus
 1808/12/09 20:34:13 16.92 -20 -0.4 0.9 123.5 Mercury Saturn
 1809/09/29 12:04:36 72.11 -39 -3.9 1.3 Venus Alpha LEO Regulus
 1813/01/08 08:37:32 59.94 -33 -3.9 8.0 Venus Neptune
 1817/04/18 17:48:55 53.17 -55 0.8 0.7 Mars Saturn
 1817/09/29 03:24:14 24.91 -38 -3.9 1.3 Venus Alpha LEO Regulus
 1818/01/03 21:52:29 12.17 -16 -3.9 -1.7 836.2 Venus Jupiter
 1827/10/16 01:19:34 32.11 2 -3.9 -1.6 Venus Jupiter
 1847/02/08 01:15:41 43.63 13 -3.9 0.8 Venus Saturn
 1848/08/15 17:44:18 42.66 -16 -0.7 -1.7 Mercury Jupiter
 1852/07/26 11:05:45 86.33 24 0.1 1.3 Mercury Alpha LEO Regulus
 1855/02/08 03:47:30 16.52 13 -1.1 1.0 Mercury Mars
 1859/07/21 03:47:37 31.54 -19 -3.9 -1.8 Venus Jupiter
 1869/09/19 17:42:18 57.67 25 0.2 1.1 Mercury Alpha VIR Spica
 1876/10/11 16:25:25 50.80 4 3.3 1.1 Mercury Alpha VIR Spica
 1878/07/29 01:02:37 36.00 23 -0.0 5.5 Mercury Uranus
 1880/05/19 01:19:39 39.56 -16 -0.7 7.9 Mercury Neptune
 1884/06/25 22:47:15 50.44 -18 -0.5 0.5 Mercury Saturn
 1889/09/20 08:05:51 54.65 -29 1.6 0.5 Mars Saturn
 1892/02/06 10:15:49 40.36 34 -3.9 -2.0 Venus Jupiter

1895/09/01 10:27:39	57.78	13	-0.7	1.7	Mercury	Mars	
1898/02/11 17:41:37	38.12	-22	-0.1	1.1	Mercury	Mars	
1898/07/27 09:28:03	16.06	24	0.1	1.3	Mercury	Alpha	LEO Regulus
1914/08/10 08:11:29	30.02	-18	-0.4	8.0	Mercury	Neptune	
1915/09/21 15:05:58	61.74	25	0.2	1.1	Mercury	Alpha	VIR Spica
1927/10/27 00:52:46	88.92	-64	7.9	1.3	Neptune	Alpha	LEO Regulus
1942/08/19 12:35:51	19.80	16	-0.5	1.7	Mercury	Mars	
1944/07/28 07:51:41	54.68	24	0.1	1.3	Mercury	Alpha	LEO Regulus
1947/08/06 01:59:07	43.45	-48	1.1	5.7	Mars	Uranus	
1955/05/10 20:39:50	56.27	65	-1.9	5.6	Jupiter	Uranus	
1958/09/10 09:15:06	49.68	-18	-0.4	1.3	Mercury	Alpha	LEO Regulus
1959/07/07 14:28:32	3.96	45	-4.4	1.3	811.2 Venus	Alpha	LEO Regulus
1962/08/31 02:00:51	76.32	46	-4.3	1.1	Venus	Alpha	VIR Spica
1985/09/04 21:00:19	45.40	-16	-0.8	1.7	Mercury	Mars	
1988/02/22 20:49:20	40.50	-63	1.0	5.7	Mars	Uranus	
1989/08/05 21:53:55	46.91	18	-0.4	1.7	Mercury	Mars	
2000/05/17 10:30:59	41.87	-7	-3.9	-1.9	Venus	Jupiter	

3RD MILLENNIUM CE

This is a list of occultations between astronomical objects in the 3rd millennium CE.

DATE	TDT	D"	e	m1	m2	tm	OBJECTS
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S

2013/03/22 18:18:04	39.10	6	1.1	5.9	Mars	Uranus	
2022/04/27 19:12:13	25.06	-43	-4.0	7.9	Venus	Neptune	

2023/02/15 12:26:50 42.80 28 -3.9 7.9 Venus Neptune
 2032/08/23 04:25:24 15.66 -13 -1.1 1.7 Mercury Mars
 2035/07/11 18:14:48 30.89 -8 -3.9 5.7 Venus Uranus
 2036/10/02 06:30:41 95.98 -39 -3.9 1.3 Venus Alpha LEO Regulus
 2037/09/15 21:31:47 18.72 -15 -0.9 0.6 Mercury Saturn
 2039/05/05 09:35:58 40.57 -13 -0.9 7.9 Mercury Neptune
 2044/10/01 22:02:18 4.03 -39 -3.9 1.3 290.9 Venus Alpha LEO Regulus
 2050/06/04 06:38:51 48.31 -17 -0.6 7.9 Mercury Neptune
 2052/10/01 13:25:01 101.81 -39 -3.9 1.3 Venus Alpha LEO Regulus
 2065/11/22 12:45:37 14.18 -8 -3.9 -1.6 744.0 Venus Jupiter
 2067/07/15 11:55:22 9.54 -18 -0.4 8.0 80.7 Mercury Neptune
 2077/01/20 20:00:22 42.23 -11 -3.9 5.8 Venus Uranus
 2079/08/11 01:31:04 1.19 -11 -1.3 1.6 161.7 Mercury Mars
 2084/12/24 05:09:49 47.70 -17 -0.5 -3.9 Mercury Venus
 2088/10/27 13:43:18 18.83 -5 -1.1 -1.6 303.4 Mercury Jupiter
 2094/04/07 10:48:38 6.52 -2 -1.7 -2.0 476.0 Mercury Jupiter
 2100/08/23 09:51:50 7.63 16 1.7 8.0 Mars Neptune
 2103/11/01 22:17:08 55.62 -44 -4.1 8.0 Venus Neptune
 2104/08/21 01:17:35 0.36 27 -3.8 8.0 271.7 Venus Neptune
 2115/06/26 00:02:57 22.72 -9 -1.5 5.7 Mercury Uranus
 2117/10/19 20:39:03 68.44 45 -4.6 1.0 Venus Alpha SCO Antares
 2123/09/14 15:27:46 5.87 16 -3.9 -1.6 913.6 Venus Jupiter
 2126/07/29 16:08:52 5.18 -9 -1.5 1.6 115.8 Mercury Mars
 2132/09/23 02:57:40 72.83 25 0.2 1.1 Mercury Alpha VIR Spica
 2133/12/03 14:12:50 37.22 4 -0.8 -0.7 584.7 Mercury Venus
 2139/01/25 22:56:40 55.55 17 -0.8 1.0 Mercury Mars
 2139/08/20 05:08:19 38.09 11 -1.0 -3.9 Mercury Venus
 2149/03/04 22:07:27 54.54 5 -1.5 -3.9 Mercury Venus
 2158/09/02 18:16:53 54.04 12 -0.8 -1.6 Mercury Jupiter
 2173/07/16 01:38:48 8.57 -7 -1.7 1.6 Mercury Mars

2177/06/29 21:29:11 35.14 -36 -3.8 0.5 Venus Saturn
 2188/03/12 22:02:47 43.88 5 -1.6 8.0 Mercury Neptune
 2194/07/09 14:27:41 68.29 45 -4.4 1.3 Venus Alpha LEO Regulus
 2197/09/02 08:01:59 5.87 46 -4.3 1.1 541.9 Venus Alpha VIR Spica
 2207/06/18 13:31:59 38.81 -19 -0.4 0.5 Mercury Saturn
 2207/08/01 17:21:04 76.50 24 0.1 1.3 Mercury Alpha LEO Regulus
 2212/09/20 19:09:10 56.99 -31 -3.8 5.5 Venus Uranus
 2220/07/03 06:42:24 35.96 -5 -1.8 1.5 Mercury Mars
 2221/09/13 18:45:57 43.52 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 2223/12/02 12:30:11 20.48 89 -0.1 -2.3 1548 Mars Jupiter
 2238/06/29 17:12:48 48.56 -15 -3.9 -1.9 Venus Jupiter
 2243/08/12 04:52:08 16.38 16 -3.9 0.6 193.5 Venus Saturn
 2251/03/04 10:52:06 4.50 -25 -3.8 5.9 272.3 Venus Uranus
 2253/08/01 15:46:37 7.42 24 0.1 1.3 75.3 Mercury Alpha LEO Regulus
 2267/06/20 07:17:33 56.45 -4 -1.9 1.4 Mercury Mars
 2269/04/23 14:01:44 28.19 25 -3.9 1.4 Venus Mars
 2269/09/13 04:34:28 33.23 8 -1.0 8.0 Mercury Neptune
 2269/10/25 00:35:10 58.46 -32 1.6 8.0 Mars Neptune
 2271/10/06 16:23:44 16.13 -40 -3.9 1.3 Venus Alpha LEO Regulus
 2178/09/24 00:26:34 45.90 25 0.2 1.1 Mercury Alpha VIR Spica
 2279/10/06 08:00:31 84.78 -39 -3.9 1.3 Venus Alpha LEO Regulus
 2279/10/21 15:36:19 10.44 -7 -1.2 8.0 Mercury Neptune
 2283/11/07 16:52:26 58.75 -15 0.1 8.0 Mercury Neptune
 2284/10/24 19:23:48 25.78 -17 -0.2 -3.9 Mercury Venus
 2287/11/28 10:20:31 52.63 -27 -3.9 8.0 Venus Neptune
 2293/02/03 08:48:55 31.75 -23 -0.1 -1.8 Mercury Jupiter
 2299/08/02 14:18:22 60.80 24 0.1 1.3 Mercury Alpha LEO Regulus
 2307/09/11 22:29:31 11.16 29 -3.8 5.5 167.6 Venus Uranus
 2313/01/27 02:53:29 38.16 -23 -0.1 0.9 Mercury Saturn
 2314/06/07 03:10:27 41.33 -2 -1.9 1.4 Mercury Mars

2326/06/17 06:49:56 41.62 -12 -1.2 -3.9 Mercury Venus
 2327/06/04 00:51:59 30.53 -22 -3.8 1.2 1067 Venus Mars
 2331/08/07 16:27:35 27.61 16 -0.5 0.6 Mercury Saturn
 2335/10/08 14:51:06 20.63 -35 -3.9 -1.7 724.4 Venus Jupiter
 2351/04/07 17:22:20 3.46 4 -1.7 5.9 92.0 Mercury Uranus
 2356/10/18 03:14:48 102.24 5 3.1 1.1 Mercury Alpha VIR Spica
 2361/05/23 18:01:57 41.62 -1 -1.9 1.3 Mercury Mars
 2377/01/14 12:39:11 35.82 19 -0.4 -1.9 Mercury Jupiter
 2388/08/28 09:30:08 52.74 -24 -3.8 0.5 Venus Saturn
 2390/08/09 17:37:57 27.83 16 -0.6 0.6 Mercury Saturn
 2395/09/27 12:23:03 88.63 25 0.2 1.1 Mercury Alpha VIR Spica
 2400/11/17 01:49:00 51.05 21 -3.9 1.0 2115 Venus Alpha SCO Antares
 2410/11/02 09:31:25 23.47 -41 -4.0 1.6 Venus Mars
 2419/12/30 01:35:23 4.18 42 -4.7 5.9 1593 Venus Uranus
 2427/01/14 14:02:18 21.06 54 0.9 5.9 Mars Uranus
 2432/09/05 14:06:40 89.46 46 -4.3 1.1 Venus Alpha VIR Spica
 2435/03/03 19:21:50 17.14 -12 -3.9 0.9 Venus Saturn
 2435/09/05 21:17:06 53.50 36 -3.8 1.5 Venus Mars
 2441/09/27 09:48:15 31.03 25 0.2 1.1 Mercury Alpha VIR Spica
 2442/10/23 09:54:32 32.00 -41 -4.0 -1.7 Venus Jupiter
 2449/07/16 23:35:59 46.04 -13 -1.1 -3.9 Mercury Venus
 2460/08/17 05:04:46 30.10 -15 -0.9 5.6 Mercury Uranus
 2478/08/29 23:10:35 14.04 11 1.7 -1.6 1266 Mars Jupiter
 2478/11/11 01:15:45 31.75 -13 1.6 5.6 Mars Uranus
 2484/09/16 04:05:51 37.55 -18 -0.4 1.3 Mercury Alpha LEO Regulus
 2487/05/09 12:58:50 15.95 1 -1.9 1.2 Mercury Mars
 2498/10/09 10:30:40 36.29 -40 -4.0 1.3 Venus Alpha LEO Regulus
 2506/10/10 02:19:24 67.82 -40 -3.9 1.3 Venus Alpha LEO Regulus
 2514/02/01 19:44:31 38.41 40 -4.0 7.9 Venus Neptune
 2515/04/07 10:31:23 4.00 -20 1.0 8.0 157.2 Mars Neptune

2517/02/20 08:11:11 31.32 28 -3.9 7.9 Venus Neptune
 2518/01/25 22:41:00 4.14 -33 -3.9 0.9 570.3 Venus Saturn
 2522/04/03 16:54:57 58.97 -2 -1.6 7.9 Mercury Neptune
 2524/12/03 19:07:46 26.42 11 1.0 -3.9 Mercury Venus
 2526/05/15 03:01:47 59.62 -2 -1.8 5.9 Mercury Uranus
 2526/06/21 08:21:30 42.48 -79 0.2 0.6 Mars Saturn
 2548/10/29 23:10:38 27.79 -64 -1.9 5.5 Jupiter Uranus
 2552/07/22 11:02:10 54.18 45 -4.1 5.5 Venus Uranus
 2562/08/05 23:45:58 64.37 24 0.1 1.3 Mercury Alpha LEO Regulus
 2595/08/07 04:00:10 38.56 39 -3.9 8.0 Venus Neptune
 2607/09/03 13:44:17 50.65 -25 -3.8 -1.7 Venus Jupiter
 2608/08/06 22:13:44 4.14 23 0.1 1.3 91.6 Mercury Alpha LEO Regulus
 2611/06/13 06:11:03 56.34 -23 1.2 5.8 Mars Uranus
 2613/04/26 02:17:46 50.90 3 -1.8 1.2 Mercury Mars
 2623/08/24 05:54:45 30.89 -27 -3.8 0.5 Venus Saturn
 2634/12/05 19:31:19 38.09 7 0.9 8.0 Saturn Neptune
 2649/02/16 11:12:54 0.79 -36 -3.9 8.0 312.4 Venus Neptune
 2654/08/07 20:50:44 70.24 23 0.0 1.3 Mercury Alpha LEO Regulus
 2655/06/21 23:45:06 44.39 57 1.4 0.5 Mars Saturn
 2658/09/30 21:39:19 97.38 25 0.2 1.1 Mercury Alpha VIR Spica
 2676/05/20 04:12:10 47.95 -19 -0.4 0.6 Mercury Saturn
 2704/10/01 19:07:19 21.20 25 0.2 1.1 Mercury Alpha VIR Spica
 2708/07/27 17:17:00 30.53 -10 -3.9 5.7 Venus Uranus
 2719/08/17 12:38:19 51.01 20 -0.2 5.5 Mercury Uranus
 2725/10/14 04:16:09 57.49 -41 -4.0 1.3 Venus Alpha LEO Regulus
 2726/04/04 06:25:49 55.80 -2 -1.6 -3.9 Mercury Venus
 2732/10/24 08:11:39 18.47 16 -3.9 5.6 Venus Uranus
 2733/10/13 20:12:43 50.51 -40 -4.0 1.3 Venus Alpha LEO Regulus
 2743/09/03 15:20:14 57.64 -8 1.7 0.5 Mars Saturn
 2744/03/29 03:57:58 41.51 -87 0.5 5.7 Mars Uranus

2747/09/21 13:28:10 34.27 -18 -0.3 1.3 Mercury Alpha LEO Regulus
 2756/09/10 16:25:04 44.35 7 -1.2 -3.9 Mercury Venus
 2762/02/26 15:47:42 42.48 13 -1.1 5.9 Mercury Uranus
 2766/08/26 18:06:27 50.51 38 -3.9 1.5 Venus Mars
 2773/10/25 20:50:28 38.52 -36 -3.9 1.6 Venus Mars
 2781/12/03 06:39:59 9.40 -26 -3.9 8.0 176.3 Venus Neptune
 2788/11/30 12:38:18 57.60 -9 1.1 8.0 Mercury Neptune
 2804/03/28 00:37:36 40.25 -33 -3.8 -1.9 Venus Jupiter
 2816/03/25 15:47:23 7.56 -28 0.3 -1.9 1312 Mercury Jupiter
 2817/03/06 09:36:02 0.90 -20 -3.9 0.9 538.1 Venus Saturn
 2818/04/11 20:42:04 4.61 5 -1.7 1.1 132.7 Mercury Mars
 2818/10/14 03:28:59 24.41 -18 -0.5 -3.9 Mercury Venus
 2820/03/05 00:46:57 40.21 -37 -3.9 8.0 Venus Neptune
 2822/05/02 22:44:28 54.83 -17 -0.6 0.7 Mercury Saturn
 2822/12/18 10:34:27 32.44 -9 -0.8 5.7 Mercury Uranus
 2825/02/06 10:43:27 0.65 -49 1.3 5.7 297.7 Mars Uranus
 2830/12/15 07:37:19 46.37 11 -2.6 1.2 799.9 Venus Mars
 2833/07/20 05:14:42 21.67 25 0.2 -1.7 459.5 Mercury Jupiter
 2833/09/27 11:30:16 45.25 -9 -1.4 0.6 Mercury Saturn
 2866/03/09 05:16:05 31.54 -131 -0.6 0.4 Mars Saturn
 2881/05/05 06:07:51 46.76 -17 -0.5 0.7 Mercury Saturn
 2891/07/18 13:02:35 77.54 45 -4.3 1.3 Venus Alpha LEO Regulus
 2892/09/29 19:05:05 55.08 -10 -1.4 0.6 Mercury Saturn
 2910/02/05 03:52:22 19.08 -2 -3.9 1.1 Venus Mars
 2912/02/12 20:59:02 11.48 36 -3.9 -2.0 1049 Venus Jupiter
 2917/08/11 06:21:12 50.94 23 0.0 1.3 Mercury Alpha LEO Regulus
 2921/10/04 07:01:11 106.56 25 0.2 1.1 Mercury Alpha VIR Spica
 2922/07/17 09:41:04 37.76 -150 -2.6 5.7 Jupiter Uranus
 2930/11/01 21:57:56 22.18 -5 -1.2 -3.9 Mercury Venus
 2954/11/08 02:48:56 21.89 -1 -3.9 -1.6 337.3 Venus Jupiter

2954/11/21 01:57:34 14.54 -18 -0.5 0.8 278.7 Mercury Saturn
 2959/03/09 17:37:47 4.43 5 1.0 -1.9 1540 Mars Jupiter
 2965/07/15 12:38:12 27.00 25 0.3 5.6 Mercury Uranus
 2965/10/05 16:52:04 8.10 5 -1.1 -1.6 497.2 Mercury Jupiter
 2986/08/13 09:12:11 14.33 -21 -3.8 -1.8 836.3 Venus Jupiter
 2991/03/22 14:43:58 11.74 -38 -3.9 8.0 219.7 Venus Neptune

4TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 4th millennium CE.

DATE	TDT	D"	e	m1	m2	tm	OBJECTS
							s
3001/02/06 05:31:10	35.78	-13	-3.9	5.8	Venus	Uranus	
3009/08/13 03:39:06	79.74	23	0.0	1.3	Mercury	Alpha	LEO Regulus
3010/09/24 22:53:12	35.50	-18	-0.3	1.3	Mercury	Alpha	LEO Regulus
3021/10/27 21:16:55	31.57	-18	-0.3	-3.9	Mercury	Venus	
3025/01/11 01:09:23	21.85	-18	-0.4	-3.9	Mercury	Venus	
3046/08/15 05:40:55	26.71	-14	-1.1	5.6	Mercury	Uranus	
3053/02/16 03:47:03	14.76	4	1.1	0.9	Mars	Saturn	
3074/09/04 11:00:26	43.56	-9	-3.9	1.7	Venus	Mars	
3081/11/02 19:48:57	9.94	44	-4.6	1.0	1002 Venus	Alpha	SCO Antares
3097/08/16 10:34:35	40.14	40	-3.9	1.6	Venus	Mars	
3099/10/28 01:38:06	64.58	5	2.9	1.1	Mercury	Alpha	VIR Spica
3102/03/23 13:30:11	18.90	10	1.1	5.9	Mars	Uranus	
3126/07/22 16:02:05	22.82	45	-4.3	1.3	301.9 Venus	Alpha	LEO Regulus
3127/06/12 00:02:56	24.19	-10	-3.9	-1.9	197.4 Venus	Jupiter	

3129/03/14 12:05:10 7.20 5 -1.5 -3.9 319.7 Mercury Venus
 3136/10/05 08:20:56 35.35 -33 -3.9 5.6 Venus Uranus
 3145/09/16 08:43:40 72.18 46 -4.3 1.1 Venus Alpha VIR Spica
 3156/08/08 13:36:51 13.21 27 -3.8 0.5 424.7 Venus Saturn
 3159/12/03 00:54:35 20.59 -1 -0.9 1.5 Mercury Mars
 3178/06/22 03:51:23 54.90 77 1.0 -1.9 Mars Jupiter
 3179/10/21 14:40:26 102.28 -42 -4.0 1.3 Venus Alpha LEO Regulus
 3187/10/21 07:07:27 13.46 -41 -4.0 1.3 195.0 Venus Alpha LEO Regulus
 3197/05/19 09:57:02 45.79 -1 -1.8 5.9 Mercury Uranus
 3209/05/25 14:54:30 34.13 18 0.5 7.9 Saturn Neptune
 3224/09/22 05:44:26 7.49 -30 -3.8 -1.7 996.6 Venus Jupiter
 3225/07/15 13:46:54 41.22 64 1.2 5.5 Mars Uranus
 3226/08/15 14:30:21 103.43 23 0.0 1.3 Mercury Alpha LEO Regulus
 3230/10/08 13:51:32 5.33 25 0.2 1.1 107.3 Mercury Alpha VIR Spica
 3231/09/25 11:34:41 7.60 27 -3.8 5.5 245.8 Venus Uranus
 3243/10/13 18:15:23 0.43 -40 -3.9 8.0 363.3 Venus Neptune
 3249/07/27 19:49:54 29.48 44 -4.1 -1.7 621.6 Venus Jupiter
 3272/08/15 13:08:09 36.11 23 0.0 1.3 Mercury Alpha LEO Regulus
 3273/09/27 08:17:26 40.90 -18 -0.3 1.3 Mercury Alpha LEO Regulus
 3275/12/08 03:43:27 25.13 -26 -3.9 8.0 Venus Neptune
 3285/11/17 05:41:58 3.38 3 -0.9 1.5 181.8 Mercury Mars
 3306/06/26 06:18:32 49.46 -11 -1.3 -3.9 Mercury Venus
 3307/03/15 12:27:06 25.96 11 -1.3 1.1 Mercury Mars
 3311/07/08 21:53:03 25.99 11 -3.9 1.6 Venus Mars
 3318/08/17 11:50:28 27.79 23 0.0 1.3 Mercury Alpha LEO Regulus
 3324/01/08 13:06:28 11.63 -15 -3.9 -1.7 831.4 Venus Jupiter
 3324/11/06 14:53:29 71.96 44 -4.6 1.0 Venus Alpha SCO Antares
 3332/07/10 00:30:59 11.88 44 1.6 0.5 435.0 Mars Saturn
 3333/10/10 16:41:22 23.94 2 -1.3 -3.9 Mercury Venus
 3340/12/25 21:12:49 42.59 -12 -2.8 0.9 2160 Venus Saturn

3348/04/27 14:02:33 39.49 -51 0.9 0.8 Mars Saturn
 3362/08/27 05:21:32 38.84 10 -3.9 0.6 Venus Saturn
 3364/04/28 18:15:09 28.01 16 -3.9 5.9 Venus Uranus
 3364/05/27 17:24:13 59.87 -4 4.4 -1.9 Mercury Jupiter
 3364/08/17 10:33:44 92.41 23 0.0 1.3 Mercury Alpha LEO Regulus
 3372/06/26 03:44:45 25.88 -7 -1.7 5.8 Mercury Uranus
 3380/09/18 15:21:36 19.94 46 -4.2 1.1 261.4 Venus Alpha VIR Spica
 3397/04/27 18:57:24 30.85 -37 -3.9 1.0 Venus Mars
 3405/07/31 09:22:10 53.03 26 0.3 8.0 Mercury Neptune
 3414/10/25 00:03:12 6.26 -42 -4.0 1.3 320.5 Venus Alpha LEO Regulus
 3426/10/07 04:49:46 17.17 11 -0.8 1.7 Mercury Mars
 3428/02/29 08:14:24 15.19 -133 -2.2 7.9 18894 Jupiter Neptune
 3428/08/08 01:13:36 29.16 43 -4.0 1.6 Venus Mars
 3429/07/27 01:20:52 36.25 -12 -1.2 -3.9 Mercury Venus
 3432/12/08 23:12:00 26.93 5 2.6 -3.9 Mercury Venus
 3437/08/24 15:38:40 21.13 -4 -3.9 1.7 Venus Mars
 3441/03/18 23:21:25 22.36 29 -3.9 5.9 Venus Uranus
 3467/12/11 03:44:17 48.49 -11 -0.9 -3.9 Mercury Venus
 3473/09/23 02:37:22 54.68 13 -0.7 1.7 Mercury Mars
 3475/08/28 04:12:11 12.78 20 -0.3 5.6 Mercury Uranus
 3484/05/05 07:01:12 38.02 26 -3.9 1.3 Venus Mars
 3485/07/15 18:58:38 45.47 25 0.3 -1.7 Mercury Jupiter
 3490/02/06 19:40:03 41.98 -32 -3.9 0.9 Venus Saturn
 3493/05/05 04:09:31 3.42 -27 1.0 -2.0 1597 Mars Jupiter
 3493/10/11 23:12:12 1.80 25 0.2 1.1 120.5 Mercury Alpha VIR Spica
 3509/11/18 07:46:15 57.53 24 -3.8 1.3 Venus Mars
 3517/05/08 12:59:51 29.05 -21 0.8 -2.0 1633 Mercury Jupiter
 3522/08/09 07:14:00 9.76 17 -0.5 -3.9 Mercury Venus
 3531/09/15 10:19:18 26.28 -14 -1.0 1.7 Mercury Mars
 3536/10/01 17:41:44 47.05 -18 -0.3 1.3 Mercury Alpha LEO Regulus

3546/09/08 14:41:15 38.66 27 -3.8 -1.6 Venus Jupiter
 3552/08/26 13:49:34 14.98 -13 -1.1 -3.9 Mercury Venus
 3566/10/01 18:38:00 31.32 -38 -3.9 8.0 Venus Neptune
 3567/11/02 07:41:14 47.56 -4 1.7 5.6 Mars Uranus
 3579/11/03 12:04:04 27.83 6 2.7 1.1 Mercury Alpha VIR Spica
 3581/08/20 21:27:39 86.18 23 -0.0 1.3 Mercury Alpha LEO Regulus
 3582/09/21 06:25:48 41.58 6 1.7 8.0 Mars Neptune
 3588/07/27 22:03:52 71.14 46 -4.3 1.3 Venus Alpha LEO Regulus
 3591/03/01 18:39:17 33.48 14 -1.0 1.0 Mercury Mars
 3597/08/16 13:46:37 57.31 13 1.7 0.5 Mars Saturn
 3600/11/15 21:01:02 47.48 -9 -1.1 8.0 Mercury Neptune
 3601/05/27 14:50:30 53.89 -7 3.0 -2.0 Mercury Jupiter
 3603/05/16 21:53:07 55.55 -46 -4.3 5.9 Venus Uranus
 3605/04/07 09:57:26 22.54 -28 0.3 -3.8 Mercury Venus
 3612/03/16 02:08:36 50.98 23 -3.9 -2.0 Venus Jupiter
 3627/08/21 20:08:42 19.91 23 -0.0 1.3 Mercury Alpha LEO Regulus
 3628/12/31 03:50:49 26.35 5 2.4 8.0 Mercury Neptune
 3632/08/11 05:36:50 28.01 -12 -1.2 5.7 Mercury Uranus
 3635/10/02 16:58:55 49.61 -16 -0.8 -3.9 Mercury Venus
 3639/12/24 22:58:46 26.17 -109 -2.2 5.4 Jupiter Uranus
 3641/10/27 16:31:57 28.22 -42 -4.0 1.3 Venus Alpha LEO Regulus
 3649/10/27 09:18:21 93.74 -42 -4.0 1.3 Venus Alpha LEO Regulus
 3660/12/17 07:24:10 33.62 -45 -4.2 0.6 Venus Saturn
 3673/08/21 18:58:11 41.51 22 -0.0 1.3 Mercury Alpha LEO Regulus
 3682/03/26 07:12:53 49.86 -16 -1.9 5.9 Jupiter Uranus
 3693/03/10 17:41:36 1.87 -28 -3.9 -1.8 1024 Venus Jupiter
 3693/04/15 07:24:39 50.54 6 -1.7 5.9 Mercury Uranus
 3704/08/20 10:52:49 21.56 -9 -1.5 1.6 Mercury Mars
 3714/12/19 23:55:04 45.79 15 0.4 1.3 Mercury Mars
 3718/09/01 09:49:48 48.49 -35 -3.8 7.9 Venus Neptune

3719/08/23 17:44:19 105.70 22 -0.0 1.3 Mercury Alpha LEO Regulus
 3736/09/18 23:40:18 44.21 7 -1.2 -3.9 Mercury Venus
 3736/12/25 05:52:39 22.25 -51 1.5 -1.7 Mars Jupiter
 3740/12/16 10:17:44 38.02 -22 1.6 5.6 Mars Uranus
 3747/10/17 01:05:32 53.17 -16 -1.6 8.0 Jupiter Neptune
 3748/11/18 12:27:44 38.09 -45 -4.2 8.0 Venus Neptune
 3756/10/15 08:33:15 1.87 25 0.2 1.1 120.3 Mercury Alpha VIR Spica
 3761/01/28 22:43:46 58.03 40 -4.0 0.8 Venus Saturn
 3766/01/20 15:26:43 48.96 47 -4.5 5.9 Venus Uranus
 3769/12/13 04:33:22 37.30 -25 -3.9 8.0 Venus Neptune
 3775/09/20 22:41:06 44.64 2 -1.6 0.6 Mercury Saturn
 3782/01/01 02:54:17 36.00 -18 -0.5 8.0 Mercury Neptune
 3787/02/01 09:44:36 51.84 -19 -0.3 -1.7 Mercury Jupiter
 3799/10/05 03:05:18 58.10 -18 -0.3 1.3 Mercury Alpha LEO Regulus
 3800/08/13 14:25:32 34.67 2 -3.9 1.6 Venus Mars
 3823/08/01 02:46:52 38.09 46 -4.3 1.3 Venus Alpha LEO Regulus
 3824/11/24 14:59:43 45.47 0 -1.0 5.6 Mercury Uranus
 3833/09/26 09:54:26 18.22 -14 -1.0 0.5 Mercury Saturn
 3848/12/06 00:49:19 38.20 88 -0.1 0.7 Mars Saturn
 3859/06/18 13:17:44 26.68 -16 -0.7 7.9 Mercury Neptune
 3868/07/25 23:51:00 30.24 -12 1.8 -2.8 4016 Mercury Venus
 3868/10/31 08:28:23 54.11 -43 -4.0 1.3 Venus Alpha LEO Regulus
 3873/06/11 12:49:27 28.22 -39 -4.6 -2.0 5039 Venus Jupiter
 3873/07/17 04:33:26 19.26 -31 1.1 5.8 Mars Uranus
 3876/10/31 01:36:54 74.20 -43 -4.0 1.3 Venus Alpha LEO Regulus
 3877/07/25 08:00:02 50.80 -5 -1.8 1.5 Mercury Mars
 3880/04/30 15:27:44 41.22 -28 0.4 0.8 Mercury Saturn
 3886/07/26 14:34:14 22.36 -33 -3.8 0.5 Venus Saturn
 3886/12/11 11:04:07 55.62 2 4.4 -3.9 Mercury Venus
 3904/02/22 23:37:05 1.44 -23 -0.1 0.9 433.6 Mercury Saturn

3914/01/30 09:16:42 4.28 -40 1.4 5.6 235.1 Mars Uranus
 3924/07/12 06:04:36 34.96 -3 -1.9 1.4 Mercury Mars
 3936/08/26 04:34:20 67.03 22 -0.0 1.3 Mercury Alpha LEO Regulus
 3939/03/13 02:55:55 43.81 19 1.0 5.9 Mars Uranus
 3940/02/23 15:16:41 43.27 40 -4.0 5.9 Venus Uranus
 3950/09/18 18:04:30 6.59 -15 -3.9 0.5 523.6 Venus Saturn
 3965/01/27 21:31:58 0.72 -18 -0.4 -3.9 1997 Mercury Venus
 3973/12/10 09:17:28 6.44 -42 1.6 -1.7 1865 Mars Jupiter
 3982/08/27 03:17:51 1.40 22 -0.0 1.3 91.4 Mercury Alpha LEO Regulus
 3986/12/10 23:37:42 46.19 -40 -4.7 5.5 Venus Uranus

5TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 5th millennium CE.

06.08.4285 - occultation between Venus and Alpha LEO Regulus
 22.11.4296 - occultation between Venus and Alpha SCO Antares
 10.11.4557 - occultation between Venus and Alpha LEO Regulus
 14.08.4747 - occultation between Venus and Alpha LEO Regulus

6TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 6th millennium CE.

11.09.5001 - occultation between Mercury and Alpha LEO Regulus

27.08.5366 - occultation between Venus and Alpha TAU Aldebaran

30.08.5898 - occultation between Venus and Alpha LEO Regulus

25.09.5974 - occultation between Mercury and Alpha LEO Regulus

7TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 7th millennium CE.

07.11.6212 - occultation between Mercury and Alpha LEO Regulus

09.09.6587 - occultation between Venus and Alpha LEO Regulus

25.08.6727 - occultation between Mars and Alpha LEO Regulus

09.10.6947 - occultation between Mercury and Alpha LEO Regulus

8TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 8th millennium CE.

11.09.7152 - occultation between Mars and Alpha LEO Regulus
12.10.7256 - occultation between Mercury and Alpha LEO Regulus
19.09.7276 - occultation between Venus and Alpha LEO Regulus
15.09.7278 - occultation between Mars and Alpha LEO Regulus
21.12.7321 - occultation between Venus and Alpha LEO Regulus
20.09.7404 - occultation between Mars and Alpha LEO Regulus
14.02.7541 - occultation between Jupiter and Saturn
18.06.7541 - occultation between Jupiter and Saturn
17.10.7565 - occultation between Mercury and Alpha LEO Regulus
22.10.7874 - occultation between Mercury and Alpha LEO Regulus

9TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 9th millennium CE.

05.10.8007 - occultation between Venus and Alpha TAU Aldebaran
30.12.8018 - occultation between Venus and Alpha LEO Regulus
06.09.8136 - occultation between Mercury and Alpha TAU Aldebaran
26.10.8183 - occultation between Mercury and Alpha LEO Regulus
03.10.8192 - occultation between Venus and Alpha LEO Regulus
07.12.8362 - occultation between Mercury and Alpha LEO Regulus
18.10.8444 - occultation between Mars and Alpha LEO Regulus

30.10.8492 - occultation between Mars and Alpha LEO Regulus

27.02.8674 - occultation between Jupiter and Saturn

27.10.8775 - occultation between Mars and Alpha LEO Regulus

14.10.8881 - occultation between Venus and Alpha LEO Regulus

23.09.8971 - occultation between Mercury and TAU Aldebaran

10TH MILLENNIUM CE

This is a list of occultations between astronomical objects in the 10th millennium CE.

05.11.9106 - occultation between Venus and Alpha LEO Regulus

16.11.9682 - occultation between Mercury and Alpha LEO Regulus

21.11.9847 - occultation between Mars and Alpha LEO Regulus